

What is claimed is:

1. An electromagnetic reciprocal drive mechanism having: a permanent magnet cluster with plate like permanent magnets cylindrically arranged, a support for concentrically supporting said permanent magnet cluster, a laminated core provided adjacent to said permanent magnet cluster, and an electromagnetic coil wound around said laminated core, wherein a sheet having an adhesive layer on an inner surface and which can be impregnated with an adhesive is wrapped around an outer periphery of said permanent magnet cluster and said support, and said permanent magnet cluster is secured to said support by impregnating an adhesive into said sheet and solidifying.
2. An electromagnetic reciprocal drive mechanism according to claim 1, wherein a material of said sheet is paper.
3. An electromagnetic reciprocal drive mechanism according to claim 1, wherein a plurality of small holes are formed in said sheet and adhesive layer.
4. An electromagnetic reciprocal drive mechanism according to claim 2, wherein a plurality of small holes are formed in said sheet and adhesive layer.
5. An electromagnetic reciprocal drive mechanism according to claim 1, wherein said support comprises a base end support member for concentrically supporting a base end of said permanent magnet cluster.
6. An electromagnetic reciprocal drive mechanism according to claim 2, wherein said support comprises a base end support member for concentrically supporting a base end of said permanent magnet cluster.
7. An electromagnetic reciprocal drive mechanism according to claim 5, wherein said support further comprises a tip end support member for concentrically supporting a tip end of said permanent magnet cluster.

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8. An electromagnetic reciprocal drive mechanism according to claim 6, wherein said support further comprises a tip end support member for concentrically supporting a tip end of said permanent magnet cluster.

9. A movable part for an electromagnetic reciprocal drive mechanism comprising: a permanent magnet cluster with plate like permanent magnets cylindrically arranged, a support for concentrically supporting said permanent magnet cluster, wherein a sheet having an adhesive layer on an inner surface and which can be impregnated with an adhesive is wrapped around an outer periphery of said permanent magnet cluster and said support, and said permanent magnet cluster is secured to said support by impregnating an adhesive into said sheet and solidifying.

10. A movable part for an electromagnetic reciprocal drive mechanism according to claim 9, wherein a material of said sheet is paper.

11. A movable part for an electromagnetic reciprocal drive mechanism according to claim 9, wherein a plurality of small holes are formed in said sheet and adhesive layer.

12. A movable part for an electromagnetic reciprocal drive mechanism according to claim 10, wherein a plurality of small holes are formed in said sheet and adhesive layer.

13. A movable part for an electromagnetic reciprocal drive mechanism according to claim 9, wherein said support comprises a base end support member for concentrically supporting a base end of said permanent magnet cluster, and a tip end support member for concentrically supporting a tip end of said permanent magnet cluster.

14. A movable part for an electromagnetic reciprocal drive mechanism according to claim 10, wherein said support comprises a base end support member for concentrically supporting a base end of said permanent magnet cluster, and a tip end support member for concentrically supporting a tip end of said permanent magnet cluster.